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ates Government

Department of Energy

DUE
DATE 5-31-94

memorandum

Mar 29 3 41 PM '94

Rocky Flats Office

ACTION *Stiger*
DIST. LTR ENC

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EGD:JAD:02827

EG&G
ROCKY FLATS PLANT
CORRESPONDENCE



010023517

Installation of Two New Groundwater Wells

N. M. Hutchins, Director
Environmental Science and Engineering
Environmental Restoration Management
EG&G Rocky Flats, Inc.

The Rocky Flats Office (RFO) requests that EG&G Geosciences Division install two new, alluvial groundwater monitoring wells in the Walnut Creek drainage, east of Indiana Street and upgradient of Great Western Reservoir. The installation of these wells, which was requested by Colorado Department of Health and the City of Broomfield, should be completed by May 31, 1994. These wells could be installed as part of the on-going Well Abandonment and Replacement Program (WARP). No additional funding should be required because these two high priority wells can be substituted for two lower priority wells presently budgeted for installation under WARP.

RFO also requests that EG&G prepare Document Modification Requests (DMRs) for the well installation and groundwater sampling Standard Operating Procedures (SOPs). These DMRs should be used in the installation of the above requested new wells and shall provide for: (1) exclusion of potential contamination of the borehole by plutonium which may be in surficial soils, (2) installation of an appropriate sand-pack based on grain-size-analysis of valley fill alluvium, in accordance with accepted well installation practices (e.g. Driscoll's *Groundwater and Wells*), and (3) use of a low velocity purging and sampling technology to minimize sample turbidity. Items (2) and (3) are in agreement with the recommendations of EPA technical guidance, EPA/530-R-93-001.

If you have any questions concerning these requests, please contact Jon Dion (5904), or Ralph Lindberg (8285) of my staff.

Gail S. Hill

Gail Hill
Acting Director
Environmental Guidance Division

CORRES CONTROL ☒ ☒
ADMN RECORD/080 ☒ ☒
PATS/T130G ☐ ☐

Reviewed for Addressee
Corres. Control RFP

cc:
J. Dion, EGD, RFO
R. Lindberg, EGD, RFO
M. Levin, GD, EG&G

3/29/94 *Cm*
DATE BY

Ref Ltr. #

DOE ORDER # 5400.1